***Technology Plan Committee Members***

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***Albert Einstein – Science Department***

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***Rick Lavoie– Special Education Department***

***Sam Walton – Business Department***

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***Sara Sturgill – ESOL Teacher***

***Edward Norton – Instructional Coach***

***Johnny Depp- Fixed Assets Coordinator***

***Channing Tatum – Student Body President***

***Alyson Hannigan - Parent***

Furman High School Technology Plan

Revised: October 2011

# Snapshot of Current Technology Use in School

Furman High School is greatly behind in 21st Century technology. Promethean Boards have been installed in the Freshman Academy, but the teachers are not yet using them. Furman High School has several computer labs. However, many of the computers are outdated, have little software on them, and those available for checkout are rarely used. The majority of the teachers lecture for the entire class period, integrating little to no technology during class. Teachers rely on Dry Erase Whiteboards and use computers for research purposes only. Furman High has ten sets of ActivExpressions, but they are only used by one teacher at the school. The fifteen projectors are not used by any of the teachers in the school.

# SCHOOL PROFILE

***Quick Facts (figure 1.1):***

*Number of Students* ***1,421***

*Number of Staff* ***87***

*Number of Classrooms with Interactive White Boards* ***9***

*Number of Computer Labs* ***8***

*Number of Laptop Labs* ***3***

Furman High School is located in Greenville, SC. It has a student population of 1,421, which includes students in grades nine through twelve. Ninth grade students are housed in a separate Freshman Academy. The school offers classes from College Preparatory levels through Advanced Placement levels. Furman High takes part in Project Lead the Way. Students attend classes on a block schedule, which allows them to earn up to eight credits per school year. Furman High has a strong arts program and offers students four levels of three foreign languages—French, German, and Spanish. Furman High School is surrounded by a supportive community and an active PTA program.

# **Technology Dimensions Overview**

Note: If you struggle to describe what good technology integration would look like in action, begin by describing what good teaching would look like in action. Focus on describing the kind of teaching that supports your school’s mission, vision statements and core principles. The point is to paint a picture of the learning environments that you hope to create. Once defined, digital solutions that make the work of students more effective and efficient can be quickly identified.

* Tech Dimension 1: Learners and their Environment

This dimensions deals with *students* and how they use/interact with technology. It focuses on the students using the technology.

Example: Technology offers students access to current and developing information, tools for visualizing and modeling, data collection, data analysis and emerging communication of ideas. Student will use current and emerging technologies independently and collaboratively as they develop skills needed for success in the 21st century world.

Example: New and emerging technologies in the classroom foster creativity, team building, and development of 21st Century Skills. Learning how to utilize these technologies when students get out into the business world will be vital to their success.

* Tech Dimension 2: Curriculum and Instruction

This Dimension focuses on how the *teacher* uses technology. This can be for productivity (Office Suite) or instruction (Promethean Board).

Example: The school will use current and emerging technologies to create learner-centered instructional environments that enhance academic achievement.

Example: Teachers will use current and emerging technologies to design technology-enriched learning environments to assist students with the attainment of required curriculum objectives.

* Tech Dimension 3: Professional Development

What professional development is needed to *support* the teachers, administrations, school community, and students as they learn how to use the new equipment/software.

Example: The school will develop ongoing and sustained professional development programs for all educators – teachers, principals and administrators, school library media personnel, and support staff.

# **Goal 1:** *Teachers will be provided with current and emerging educational technology to encourage student learning and engagement in the curriculum.*

OBJECTIVES:  
***1. All teachers will have access to Promethean Boards or Promethean Projectors.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tech Dimension | Ref. Number | Strategy/Action | Action Steps | Funding Considerations | Evaluation of Objectives |
| 1 | 1-1.1 | Students will create Web 2.0 assignments/projects to present to classes. | Teachers must educate students on available Web 2.0 tools.  Teachers allow presentation time for assignments/projects. | None | Examples of student assignments/projects  Teacher Lesson Plans  Classroom Observations |
| 2 | 1-1.2 | Teachers will have either Promethean Boards or Promethean Projectors in their classrooms to increase student engagement in curriculum. | Refresh and PTA funding will place Promethean Boards or Promethean Projectors in classrooms.  Teachers will collaborate within departments to design lessons using Promethean Board/Projectors.  Teachers without Promethean Boards in classrooms have option to use Promethean Boards in checkout labs.  Teachers will attend sessions by department with Instructional Coach. | Next refresh will put Promethean Boards in all remaining classrooms. | Teacher Lesson Plans  Classroom Observations  Minutes/notes from department meetings  Computer Lab checkout records  Meeting attendance with Instructional Coach. |

***2. Teachers will receive training for all available educational technology.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tech Dimension | Ref. Number | Strategy/Action | Action Steps | Funding Considerations | Evaluation of Objectives |
| 3 | 1-2.3 | Required basic training for all technology available in school (Promethean, ActivExpressions, Ipads, etc.) | Mandatory training  Technology Department will provide training.  Multiple training sessions offered. | None | Teacher meeting attendance  Teacher Lesson Plans  Classroom observation of technology implementation |
| 3 | 1-2.3 | Optional advanced training for technology offered. | Attendance to optional advanced training  Technology Department will provide training.  Multiple training sessions offered. | None | Teacher meeting attendance  Teacher Lesson Plans  Classroom observation of technology implementation |

***3. Teachers will use available technology in class to increase student engagement in curriculum.***

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| --- | --- | --- | --- | --- | --- |
| Tech Dimension | Ref. Number | Strategy/Action | Action Steps | Funding Considerations | Evaluation of Objectives |
| 1 | 1-3.1 | Students will cameras, video cameras, digital cameras, and flip cameras to create movie projects and digital stories. | Teachers plan assignments to allow students to create projects utilizing technology.  Teachers instruct students on how to use available technology. | None | Checkout record of materials  Teacher Lesson Plans  Classroom observations  Student creations |
| 2 | 1-3.2 | Teachers will utilize ActivExpressions, ActiVotes, and ActivSlates to encourage students participate in lessons. | Teachers create lessons/instructional activities that allow students to participate using available technology.  Teachers instruct students on how to use available technology. | None | Checkout record of materials  Teacher Lesson Plans  Classroom observations |

# Goal 2: Students will have access to educational technology, web technology and software programs to promote curriculum learning.

OBJECTIVES:  
***1. Students will have access to Web 2.0 tools and opportunity to use these tools for curriculum-based assignments.***

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| --- | --- | --- | --- | --- | --- |
| Tech Dimension | Ref. Number | Strategy/Action | Action Steps | Funding Considerations | Evaluation of Objectives |
| 1 | 2-1.1 | Students will create Web 2.0 projects (Prezis, Glogsters, etc.) to exhibit knowledge of curriculum | Students will be instructed on using Web 2.0 assignments.  Students will be given instructional time to create assignments. | None | Student examples |
| 2 | 2-1.2 | Teachers will assign projects/assignments that require use of Web 2.0 tools. | Teachers will coordinate lesson material with appropriate Web 2.0 assignments. | None | Teacher Lesson Plans  Classroom Observations  Teacher assignment copies/rubrics |
| 3 | 2-1.3 | Teachers will receive instruction on using Web 2.0 tools. | Teachers will be required to attend Web 2.0 instruction | None | Teacher meeting attendance |

***2. Students will have access to new and emerging educational technology and opportunity to use these technologies for curriculum-based assignments.***

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| --- | --- | --- | --- | --- | --- |
| Tech Dimension | Ref. Number | Strategy/Action | Action Steps | Funding Considerations | Evaluation of Objectives |
| 1 | 2-2.1 | Students will use Ipads, Flip Videos, ActivExpressions, Hue Cameras, Kindles, etc. to participate in class instruction. | Students will have opportunities in various classes to use available technology.  Students will be trained on how to use technology to participate in class. | None | Classroom Observations  Student feedback |
| 2 | 2-2.2 | Teachers will offer opportunities for students to use available technology. | Teachers will integrate technology into curriculum-based lessons. | None | Teacher Lesson Plans  Classroom Observations |

# Needs/Wants List

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| --- | --- | --- | --- | --- |
| Item | Quantity | Price | Total | Comments |
| Promethean Board 78" (33544) | 37 | $ 4,390.30 | $ 162,441.10 | Will have Promethean Boards in all classes |
| iPad NEW 16GB, 10 Pack Black or White with free engraving | 6 | $ 5,289.40 | $ 31736.40 | Each teacher will have Ipad |
| ActivExpressions (32) (33799) | 57 | $ 2,966.94 | $ 169,115.58 | One for each classroom |
| Case for ActivExpression (33799) | 57 | $ 47.50 | $ 2,707.50 | One for each set of ActivExpressions |